

BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARINAGAR ZONE

ELECTRICAL DIVISION

DETAILED ESTIMATE FOR PUBLIC WORKS

Name of the Work: Providing repairs to Damaged flood lights at JP park play ground in ward No 17.

Est. No.AEE/ELE/RRNZ/ EST/ / 17-18				Est.cost:Rs 1,00,000/-			
Sl No	SR ref		Description of Work	unit	Qty	Rate	Amount
	page	sl no					
1	6	2.5.2	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistance single core wire in open or consealed system of wiring wit specified IS-694:1990 & confirming to GTP of group A.. A)1.5 sqmm	Per Mtr	100	18.60	1860.00
2	46	6.12.3	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60-70Amps	Each	1	4774.00	4774.00
3	51	6.46	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	1	4586.00	4586.00
4	55	7.4.4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 16 sqmm	Per Mtr	40	140.40	5616.00
5	61	7.8.A. 1	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm	Per Mtr	40	10.80	432.00
6	62	7.9.1	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	32	78.00	2496.00
7	6	2.5.5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 6 sqmm	Per Mtr	16	63.80	1020.80
8	41	38	Supply and installaion / Fixing / Provision for mounting of HRC Fuse/ MCB with suitable connector/ terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 SQmm/25 Sqmm 3.5 C Al/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof having internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and / or grommets. 200x200x98mm (PWD Electrical SR 2010-11)	Each	9	925.00	8325.00
9	64	7.21.6	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. (Item No. - 7.21) 16 sqmm (Item No. - 7.21.6)	Each	20	11.31	226.20
	64	7.21.7	25 sqmm Long Barrel (Item No. - 7.21.8)	Each	25	20.59	514.75

10	31	4.38.3 5	Accessories- Open Type Heavy Duty Ferromagnetic Copper Ballast for HPSV/HPMH lamps: Supply of High Intensity Discharge Electro Magnetic Ballast suitable for ...W sodium vapor / Metal Halide lamp with Copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety & IEC 60923 - Performance. Winding Temperature for HID Ballast $t_w = 130$ deg C & temperature rise $\theta T = 70$ deg C. For 400 - Watts	Each	15	3524.00	52860.00
11	30	4.38.2 8	Supply of 400W Metal Halide single end tubular Lamp with lumen output of 25000 lumens & CCT 3000 & CRI 80+ & Avg life greater than 20,000 Hrs. with Cap Base E40	Each	15	1078.00	16170.00
12	31	4.38.4 5	Accessories- Ignitor Suitable for 70 to 400 Watts SV/MH fittings	Each	5	222.00	1110.00
			miscellaneous & round off		L/S		9.25
			Total Rs				100000.00
RS ONE LAKHS ONLY							

Certificate:-

- 1) Certified that, the work spot has been inspected by me & prepared the estimate in most economical way of executing the work.
- 2.) The Provisions made in the estimate are adequate and are necessary.
- 3.) The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
- 4.) The rates in the Estimate is based on the PWD Electrical SR-2014-15 and Lowest quotation approved rates of CE RR Nagar.


Junior Engineer(Electrical)
RR Nagar Zone
BBMP


Assistant Executive Engineer(Elect)
RR Nagar Zone
BBMP


Executive Engineer(Elect)
RR Nagar Zone
BBMP

Administrative Sanctioned for Rs. 1,00,000.00

Rs. Rs. Rupees one lakh only

under the head p. 0298

By EE (Elect) RRN/ page 16 of 17

Registered as EE (Elect) RRN/No. 4/17-18 Subject to conditions contained in enclosed memo

No. 4/17-18 Date 10/11/18

 AE, (Elect) RRN

 EE, (Elect) RRN

Technically Sanctioned for Rs. 1,00,000.00

Rs. Rs. Rupees one lakh only

under the head p. 0298

By EE (Elect) RRN/ page 16 of 17

Registered as R.R.N. No. 4/17-18 Subject to conditions contained in enclosed memo

No. 4/17-18 Date 16/11/18

 AE, (Elect) RRN

 EE, (Elect) RRN